# Roll Server Messages

This section lists the messages that may be issued by the Natural Roll Server. Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

## RSM0001 - Subsystem id invalid

| | |
|---|---|
| Expl. | A subsystem ID was specified that is longer than 4 characters. |
| Actn. | Specify a subsystem ID of 1 to 4 characters. |

## RSM0002 - Roll file number not numeric

| | |
|---|---|
| Expl. | The second parameter is not a number. |
| Actn. | Specify a valid number, |

## RSM0003 - Invalid number of roll files

| | |
|---|---|
| Expl. | A number greater than 5 was specified. |
| Actn. | Specify a number between 0 and 5. |

## RSM0004 - Number of LRB slots not specified

| | |
|---|---|
| Expl. | The third parameter was omitted. |
| Actn. | This is a mandatory parameter. Specify a valid number. |

## RSM0005 - Number of LRB slots not numeric

| | |
|---|---|
| Expl. | The third parameter is not a number. |
| Actn. | Specify a valid number. |

## RSM0006 - Number of LRB slots > 32767

| | |
|---|---|
| Expl. | The number of LRB slots specified is too large. |
| Actn. | Specify a maximum of 32767 LRB slots. |

## RSM0007 - Invalid CF structure name

| | |
|---|---|
| Expl. | A structure name of more than 16 characters was specified. |
| Actn. | Specify a structure name of 16 characters or less. |

## RSM0008 - Bad return code from IEANTRT: *rc*

| Expl. | The Name/Token Service returned return code *rc*. |
|---|---|
| Actn. | See the *z/OS V1R2.0 MVS Programming: Authorized Assembler Services Reference* manual for information about the return code from the IEANTRT request. |

## RSM0009 - DCB buffer could not be obtained. Reason: *reasoncode*

| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
|---|---|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0010 - OPEN failed for DDNAME: *ddname*

| Expl. | The roll file specified under DDNAME *ddname* could not be opened. |
|---|---|
| Actn. | Specify a valid roll file DSN. |

## RSM0011 - Duplicate roll file DSN

| Expl. | The same DSN was specified for two roll file DDNAMES. |
|---|---|
| Actn. | Specify unique DSNs for each roll file. |

## RSM0012 - Temp roll file buffer could not be obtained. Reason: *reasoncode*

| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
|---|---|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0013 - RF directory buffer could not be obtained. Reason: *reasoncode*

| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
|---|---|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0014 - LRB directory could not be obtained. Reason: *reasoncode*

| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
|---|---|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0015 - Creation of dataspace failed. Reason: *reasoncode*

| Expl. | The DSPSERV macro returned reason code *reasoncode*. |
|---|---|
| Actn. | See the *z/OS V1R2.0 MVS Programming: Authorized Assembler Services Reference* manual for information about the reason code from the DSPSERV CREATE request. |

## RSM0016 - ALESERV ADD failed. Reason: *reasoncode*

| | |
|---|---|
| Expl. | The DSPSERV macro returned reason code *reasoncode*. |
| Actn. | See the *z/OS V1R2.0 MVS Programming: Authorized Assembler Services Reference* manual for information about the reason code from the ALESERV ADD request. |

## RSM0017 - Size for LRB > 524287 blocks

| | |
|---|---|
| Expl. | The number of LRB slots times LRB slot size exceeds 2 Gigabytes. |
| Actn. | Specify fewer LRB slots or a smaller slot size. |

## RSM0018 - LX table could not be obtained. Reason: *reasoncode*

| | |
|---|---|
| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0019 - Roll Server Version 41*x* is active

| | |
|---|---|
| Expl. | The Roll Server initialized successfully and is ready for work. |
| Actn. | None. |

## RSM0020 - Subtask terminated: *taskname rc*

| | |
|---|---|
| Expl. | The subtask indicated by *taskname* has terminated. If the return code is not zero, it is indicated as *rc*. |
| Actn. | If a nonzero *rc* is reported, contact Software AG. |

## RSM0021 - Subtask termination initiated

| | |
|---|---|
| Expl. | In response to a TERM or DEAL operator command, the Roll Server has started to terminate its subtasks. |
| Actn. | None. |

## RSM0022 - All subtasks terminated

| | |
|---|---|
| Expl. | In response to a TERM or DEAL operator command, the process of terminating the subtasks is finished. |
| Actn. | None. |

## RSM0023 - Other than MODIFY or STOP command received

| | |
|---|---|
| Expl. | The Roll Server received a CIBVERB other than MODIFY or STOP. |
| Actn. | Contact Software AG. |

## RSM0024 - Trace activated

| Expl. | In response to the TRSTART operator command, the internal trace facility is started. |
|---|---|
| Actn. | None. |

## RSM0025 Œ Trace stopped

| Expl. | In response to the TRSTOP operator command, the internal trace facility is stopped. |
|---|---|
| Actn. | None. |

## RSM0026 - Command allowed in active state only: *command*

| Expl. | In DEALlocated state, the Roll Server cannot accept operator command *command*. |
|---|---|
| Actn. | Issue the START operator command, then repeat the rejected command. |

## RSM0027 - Unknown command *command*

| Expl. | An invalid operator command was issued to the Roll Server. |
|---|---|
| Actn. | Check for typing error and correct. |

## RSM0028 - We are already deallocated

| Expl. | The operator command DEALlocate was issued when the Roll Server already was in deallocated state. |
|---|---|
| Actn. | None. |

## RSM0029 - Recursive abend in maintask. Now waiting for CANCEL command

| Expl. | An abend occurred during abend recovery. |
|---|---|
| Actn. | Cancel the Roll Server started task and contact Software AG. |

## RSM0030 - Low Water Mark not numeric or invalid

| Expl. | The sixth paramter is not a number or exceeds 10. |
|---|---|
| Actn. | Specify a low water mark between 0 and 10. |

## RSM0031 - High Water Mark not numeric or invalid

| Expl. | The seventh paramter is not a number or exceeds 10. |
|---|---|
| Actn. | Specify a high water mark between 0 and 10. |

## RSM0032 - Work buffer could not be obtained: *reasoncode*

| Expl. | A STORAGE OBTAIN request failed with *reasoncode*. |
|-------|---------------------------------------------------|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0033 - All resources deallocated

| Expl. | In response to a DEALlocate operator command, the Roll Server is now in deallocated state. |
|-------|---------------------------------------------------|
| Actn. | None. |

## RSM0034 - START allowed in deallocated state only

| Expl. | The START operator command was issued while the Roll Server was in active state. |
|-------|---------------------------------------------------|
| Actn. | Issue the DEALlocate command before issuing the START command. |

## RSM0035 - START parameters missing

| Expl. | The START operator command was issued with insufficient parameters. |
|-------|---------------------------------------------------|
| Actn. | Correct the START command and re-issue it. |

## RSM0036 - DUMP successful for roll file *n*

| Expl. | Slots from the Local Roll Buffer and the Roll File Directory were successfully written to Roll File *n* on disk. |
|-------|---------------------------------------------------|
| Actn. | None. |

## RSM0037 - DUMP failed for roll file *n*

| Expl. | The Roll Server was unable to write slots and directory to Roll File *n*. |
|-------|---------------------------------------------------|
| Actn. | Look for accompanying messages indicating the error situation that prevented a successful dump. |

## RSM0038 - SNAP failed. Task RB could not be obtaied

| Expl. | A STORAGE OBTAIN request failed. |
|-------|---------------------------------------------------|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0039 - XES functions not available

| Expl. | Environmental error. XES functions are not available. This can occur because the coupling facility hardware necessary to provide XES functions is not present. |
|-------|---------------------------------------------------|
| Actn. | Re-IPL the system or contact IBM. |

## RSM0040 - IXLCONN unsuccessful. Reason code: *reasoncode*

| Expl. | A connection to the Coupling Facility structure specified as fifth parameter could not be established. |
|---|---|
| Actn. | Determine the meaning of the reason code in OS/390 or z/OS *Programming: Sysplex Services Reference* and follow the indicated action. |

## RSM0041 - CF initialization successful for list: *n*

| Expl. | The Role File Directory for Roll File *n* was established in the list structure specified as fifth parameter. |
|---|---|
| Actn. | None. |

## RSM0042 - CF initialization failed for list/RSN code: *reasoncode*

| Expl. | The Role File Directory for Roll File *n* could not be established in the list structure specified as fifth parameter. The reason codes are as follows: | |
|---|---|---|
| | 12 | STORAGE OBTAIN failed. |
| | 16 | An abend occurred during initialization. |
| | 20 | The Structure is allocated too small to hold the Roll File Directory. |
| | 24 | Structure failure or connectivity lost. |
| Actn. | For Reason Code 12: | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |
| | For Reason Code 16: | Contact Software AG. |
| | For Reason Code 20: | Define a larger size for the CF structure in the CFRM policy. |
| | For Reason Code 24: | Reset the structure using operator command `SETXCF FORCE,STR,STRNAME=`*name*`.` If the error persists, contact IBM. |

## RSM0043 - IXCJOIN failed. Return/Reason code: *reasoncode*

| Expl. | The Roll Server could not join its IXC message group. |
|---|---|
| Actn. | Determine the meaning of the reason code in OS/390 or z/OS Programming: *Sysplex Services Reference* and follow the indicated action. |

## RSM0044 - Act conn buffer could not be obtained

| Expl. | A STORAGE OBTAIN request failed. |
|---|---|
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0045 Œ Applied zaps:

| Expl. | When zaps are applied to the Roll Server, it issues this message, followed by a list of applied zaps. |
|-------|----|
| Actn. | None. |

## RSM0046 Œ Roll file in use by job *jobname* ASID *asid*

| Expl. | The Roll Server cannot start because another Roll Server is using a roll file. The other Roll Server is running in job or started task named *jobname* with address space identifier *asid*. The message is followed by the roll fileŸs DSN. |
|-------|----|
| Actn. | Ensure that all Roll Servers have dedicated roll files. |

## RSM0047 Œ Operator command: *command*

| Expl. | The Roll Server echoes operator commands to JESMSGLG. |
|-------|----|
| Actn. | None. |

## RSM0048 - IARV64 GETSTOR failed. Return code: *rc*

| Expl. | From z/OS V1.2 on, the Roll Server uses Memory Objects for the Local Roll Buffers. The Memory Objects are acquired using the IARV64 services. A GETSTOR function failed. |
|-------|----|
| Actn. | Determine the action in the IARV64 description in the *z/OS V1R2.0 MVS Programming: Authorized Assembler Services Reference* manual. |

## RSM0049 - Disconnected from CF with RSN=FAILURE

| Expl. | The Roll Server disconnected from the Coupling Facility structure with parameter REASON=FAILURE in order to notify other participating Roll Servers of its own termination with failure. |
|-------|----|
| Actn. | None. |

## RSM0050 - Disconnected from CF with RSN=NORMAL

| Expl. | The Roll Server disconnected from the Coupling Facility structure with parameter REASON=NORMAL in order to notify other participating Roll Servers of its own normal termination. |
|-------|----|
| Actn. | None. |

## RSM0051 Œ Roll file *n* is newer than the CF structure

| Expl. | A roll file was newly formatted, but the Coupling Facility structure still contains its Roll File Directory. |
|-------|----|
| Actn. | After formatting a roll file, re-initialize the CF structure using operator command<br>`SETXCF FORCE,STR,STRNAME=`*name* |

## RSM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT

| | |
|---|---|
| Expl. | Not enough memory in Memory Objects could be allocated to hold the Local Roll Buffer(s). The allocatable amount is controlled by the MEMLIMIT parameter of the JCL EXEC statement and SMF exit IEFUSI. |
| Actn. | Increase the amount of usable storage in the MEMLIMIT parameter, or change the IEFUSI exit. |

## RSM0053 - Not enough memory for SNAP

| | |
|---|---|
| Expl. | A SNAP dump could not be taken because a STORAGE OBTAIN request failed. |
| Actn. | Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.) |

## RSM0054 - OPEN for SYSUDUMP failed

| | |
|---|---|
| Expl. | A SNAP dump could not be taken because SYSUDUMP could not be opened. |
| Actn. | Ensure that the Roll Server job or started task includes a DD statement for SYSUDUMP. |

## RSM0055 - CF structure does not contain enough lists

| | |
|---|---|
| Expl. | For each roll file, the Roll Server maintains its directory in a separate list in the CF structure. The existing structure has fewer lists than the number of roll files to be used. |
| Actn. | Re-initialize the CF structure using operator command `SETXCF FORCE,STR,STRNAME=name`, or use fewer roll files. |

## RSM0056 - LRB slotsize invalid or not numeric

| | |
|---|---|
| Expl. | The fourth parameter is either not numeric or greater than 10000000. |
| Actn. | Correct typing error or specify a smaller LRB slot size. |

## RSM0057 - Bad return code from IEANTCR: *rc*

| | |
|---|---|
| Expl. | The Name/Token Service denied a create request with return code rc. |
| Actn. | Determine the action from the description of IEANTCR in the *z/OS V1R2.0 MVS Programming: Authorized Assembler Services Reference* manual. |

## RSM0058 - Rollserver already active in *subsid*: Job *jobname* ASID *asid*

| | |
|---|---|
| Expl. | The Roll Server determined that in the Natural subsystem specified in the first parameter, subsid, another Roll Server is already active. The other Roll Server is running in job or started task named *jobname*, with address space identifier *asid*. |
| Actn. | Start only one Roll Server per Natural subsystem per MVS image. |

## RSM0059 Œ Roll file *ddname* is below version 3.1

| Expl. | The roll file specified in *ddname* has an incompatible format. |
|-------|---------------------------------------------------------------|
| Actn. | Reformat the roll file using NATRSRFI. Please, refer to Natural Roll Server Operation (in the Natural Operations for Mainframes documentation).. |

## RSM0060 ŒUser exit loaded: NATRSU14

| Expl. | User exit NATRSU14 is loaded and will be called to allocate users to roll files. |
|-------|---------------------------------------------------------------------------------|
| Actn. | None. |

## RSM0061 - Slot size must be specified when no roll files are used

| Expl. | When running without roll files, a default value for the LRB slot size cannot be determined. |
|-------|----------------------------------------------------------------------------------------------|
| Actn. | Specify LRB slot size as fourth parameter. |

## RSM0062 - Running with in-core roll file

| Expl. | The second parameter specified 0 for the number of roll files. Natural threads are held in Local Roll Buffer slots only and are lost when the Roll Server terminates. |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actn. | None. |

## RSM0063 - Coupling Facility will not be used

| Expl. | The second parameter specified 0 for the number of roll files, yet the fifth parameter specified a CF structure. To enable Natural to run on several MVS images in a Parallel Sysplex, the Roll Server needs to use roll files. Operation continues without roll files, but the Roll Server will not communicate with other Roll Servers in other MVS images. |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actn. | Specify roll files in a Parallel Sysplex, or do not specify a CF structure name with zero roll files. |

## RSM0064 - High/low water marks ignored

| Expl. | The second parameter specified 0 for the number of roll files, yet low or high watermarks were also specified. With no roll files, low and high watermark are meaningless. Operation continues. |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actn. | Do not specify watermarks with zero roll files. |

## RSM0065 - XES Event exit received unexpected event type: *nn*

| Expl. | The exit for the connection to the CF structure received an event type that it cannot handle. *nn* is the number corresponding to the event type. |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Actn. | Contact Software AG Support. |